

FIGURE 1

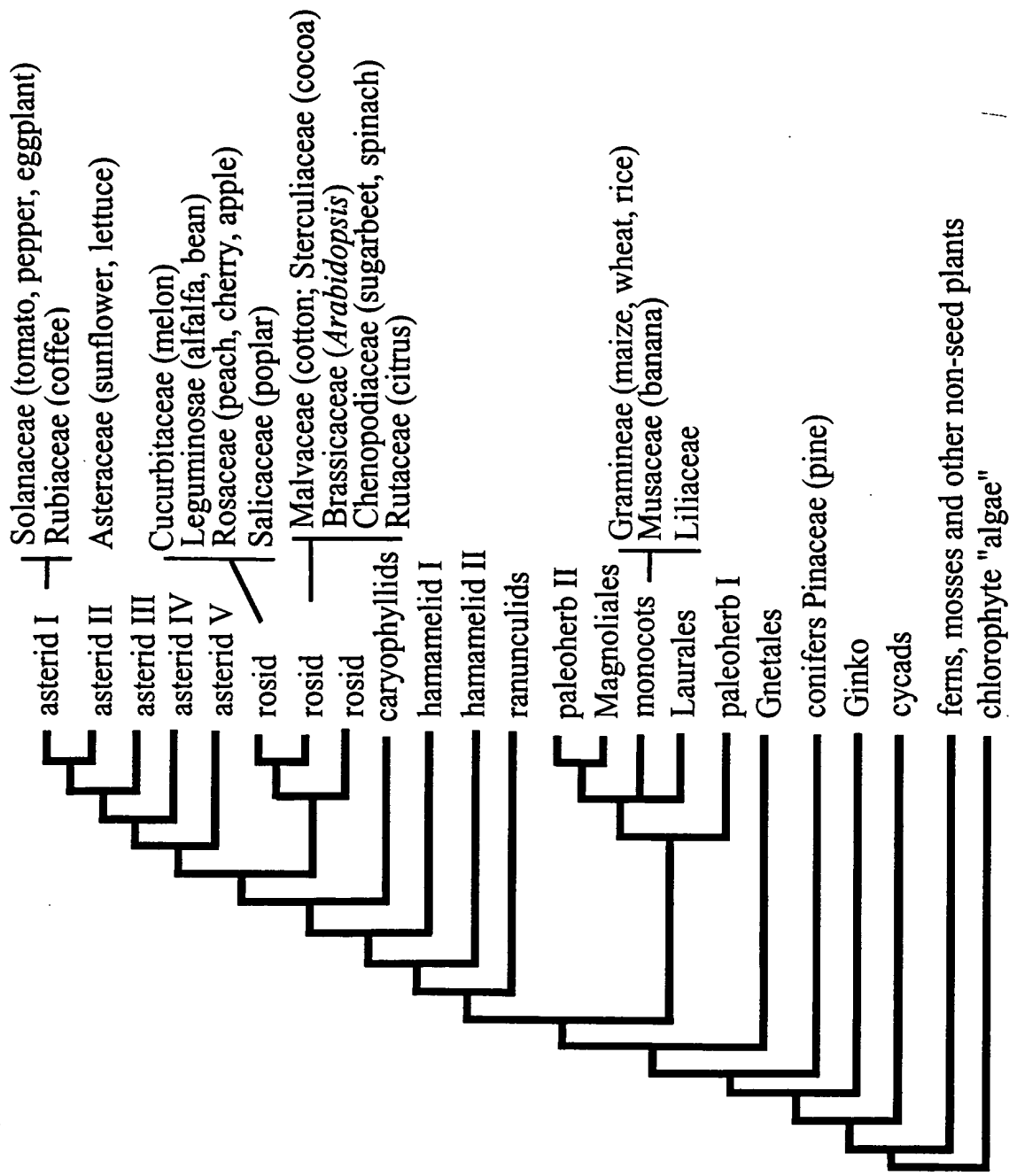


FIGURE 2

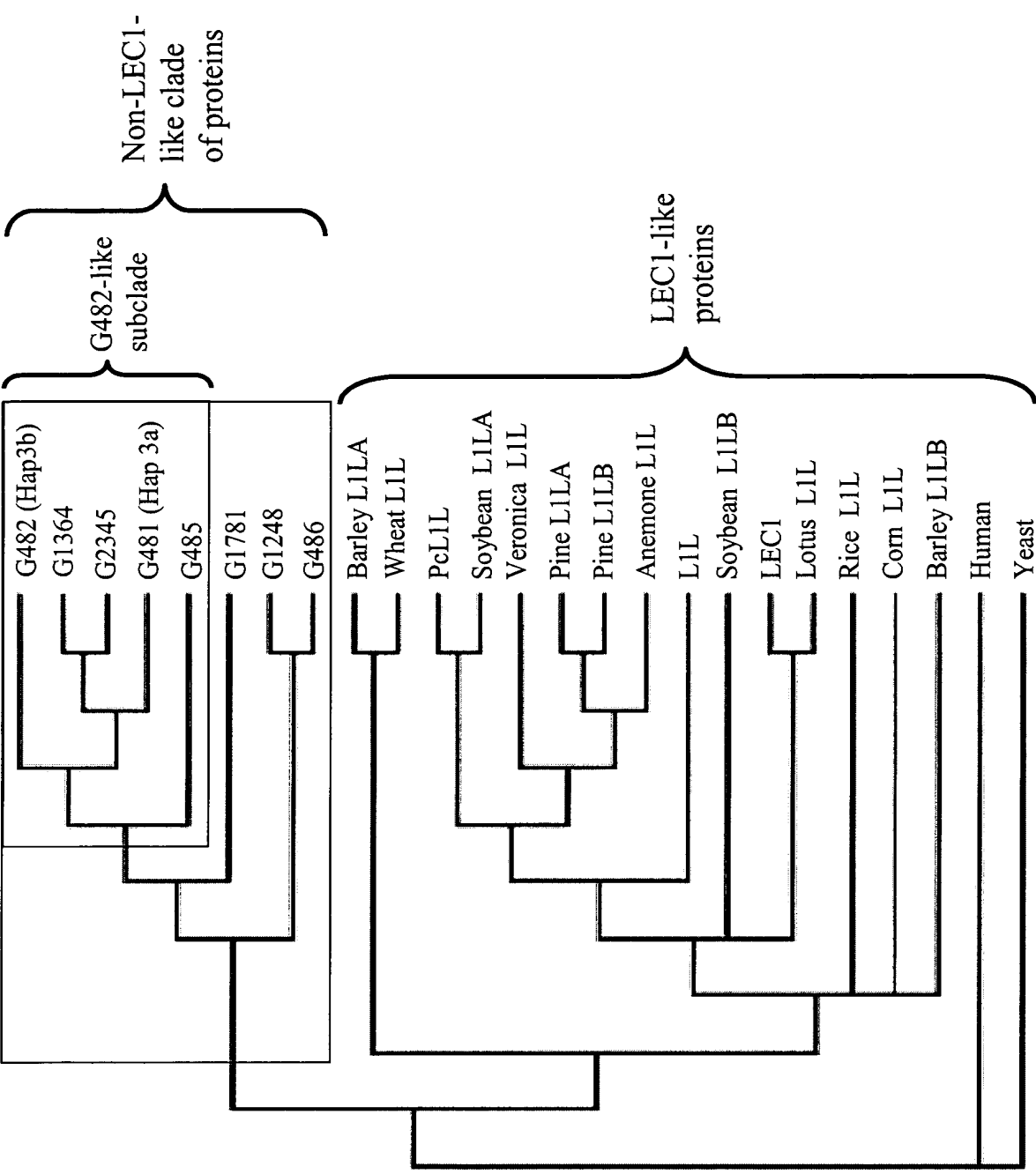


FIGURE 3

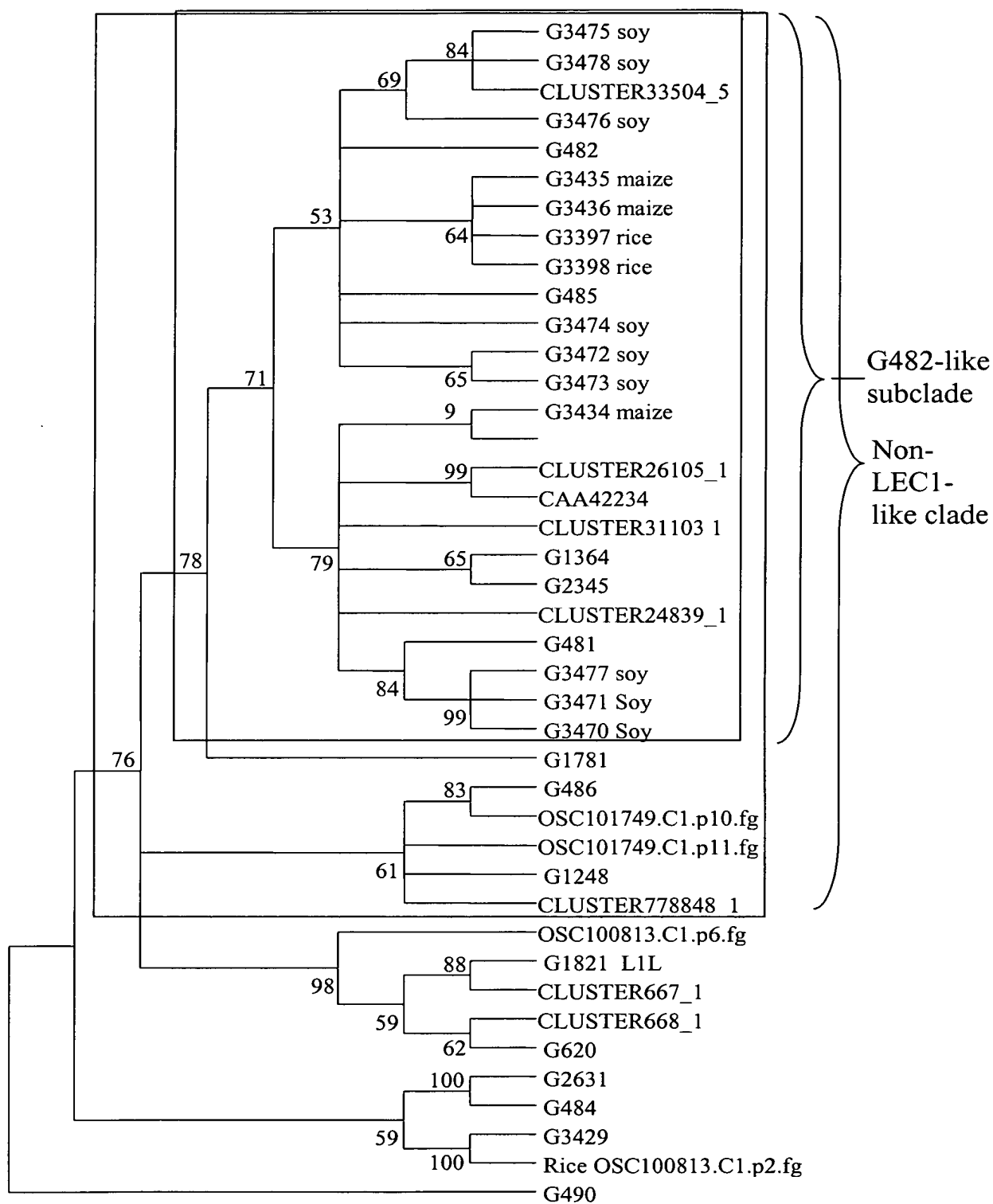


FIGURE 4

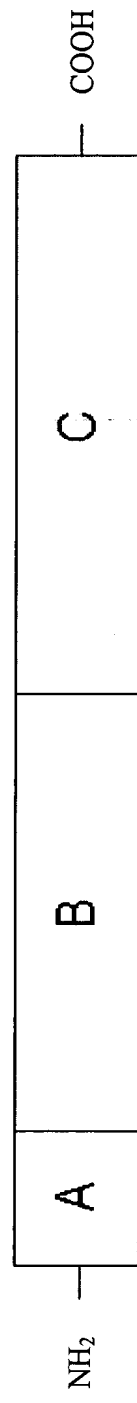


FIGURE 5

G3472	-----MAES-----DNESGGHTGNASGSN-----
G3473	-----MADS-----DNDSGGAHNGGKGS-----
G3474	-----MAES-----DNESGGHTGNASGSN-----
G3435	-----MPDS-----DNDSGGPSN-AGG-----
G3397	-----MPDS-----DNDSGGPSNYAGG-----
G3436	-----MPDS-----DNESGGPSN--A-----
G3398	-----MPDS-----DNESGGPSN--AG-----
G3475	-----MADS-----DNDSGGAHNAGKG-----
G3478	-----MADS-----DNDSGGAHNGGKG-----
G3476	-----MAES-----DNDSGGAQNAAGNSGNL-----
G485	-----MADS-----DNDSGGHKDGGN-----
G482	-----MGDS-----DRDSGGGQNGNNQNGQ-----
OSC30077	MKSRKSYGHL LSPVGSPLL-----DNESGEAAAAAAGGCGSSAGYVVYGG
G3471	-----MSDAPPSP-----THESGGEQSPRGSS-----
G3477	-----MSDAPASP-----SHESGGEQSPRGS L-----
G3470	-----MSDAPASP-----SHESGGEQSPRGS L-----
G481	-----MADTPSSP-----AGD-GGESG-----
G1364	-----MAESQAKSP-----GGCGSHESGGDQSPR-----
G2345	-----MAESQTTGG-----GGGGSHESGGDQSPR-----
AP004366	-----MADA-----GHDES GSPPRSGGVR-----
G3434	-----MADD-----GGSHEGSG-GGGGVR-----
G3394	-----MADGPGSPG-----GGGGSHESGSPRGGGGGGGG-----
G1781	-----MTEESPEEDHGSPGVAETNP GSPSSKTNNNN-----
G1248	-----MAGNYHSFQNPIPRYQNYNFGSSSSNHQHEHDLV-----VVEDQ
G486	-----
G1821	-----MAEGSMRPP-----EFNQPNKTSNGGEE-----
Consensus	M D GG

FIGURE 6A

	DNA binding domain	Subunit interaction
G3472	---EFSGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	↓
G3473	---EMS-PREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFHSPGGLAG	
G3474	---ELSGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	
G3435	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3397	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3436	---EFSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3398	---EYASAREQDRFLPIANVSRIMKKRALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3475	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3478	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3476	---SELSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G485	----ASTREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G482	---SSLSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFVT-GEASD	
OSC30077	GGGDSPAKEQDRFLPIANVSRIMKRSALPANAKISKESKETVQECVSEFISFVT-GEASD	
G3471	---SG-AREQDRYLPIANISRMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3477	---SGAAREQDRYLPIANISRMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3470	---SGAAREQDRYLPIANISRMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G481	---GSVREQDRYLPIANISRMKKALPPNGKIGKDAKDTVQECVSEFISFIT-SEASD	
G1364	---SLHVREQDRFLPIANISRMKRGLPANGKIAKDAKEIVQECVSEFISFVT-SEASD	
G2345	---SLNVREQDRFLPIANISRMKRGPLNGKIAKDAKETMQECVSEFISFVT-SEASD	
AP004366	-----EQDRFLPIANISRMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3434	-----EQDRFLPIANISRMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3394	--GGGGLVRQDRFLPIANISRMKKAIIPANGKIAKDAKETVQECVSEFISFIT-SEASD	
G1781	-----NNKEQDRFLPIANVGRIMKKVLPNGKISKDAKETVQECVSEFISFVT-GEASD	
G1248	QQEESMMVKEQDRLLPIANVGRIMKNILPANAKVSKEAKETMQECVSEFISFVT-GEASD	
G486	-----MTDEDRLLPIANVGRIMKQILPSNAKISKAKQTVQECATEFISFVT-CEASE	
G1821	-----ECTVREQDRFMPIANVIRIMRRILPAHAKISDDSKETIQECVSEYISFIT-GEANE	
Consensus	EQDRFLPIANVSRIMKALPANAKISKDAKETVQECVSEFISFITGEASD	

FIGURE 6B ↑ B domain

G3472	KCQKEKRKTINGDDLLWAMTTTLGFEEYVEPLKVYLHKYRELEGEK	TAMMG-----
G3473	ECQKEKRKTINGDDLLWAMTTTLGFEEYVEPLKVYLHKYRELEGEK	TAMMG-----
G3474	KCQKEKRKTINGDDLLWAMTTTLGFEDYVDDPLKIYLHKYREMEGEK	TAMMG-----
G3435	KCQREKRKTINGDDLLWAMTTTLGFEDYVEPLKHLYLHKFREIEGER	AAASAGASGSQQQ--
G3397	KCQREKRKTINGDDLLWAMTTTLGFEDYVDDPLKHLYLHKFREIEGER	AAASTTGACTSAA--
G3436	KCQREKRKTINGDDLLWAMTTTLGFEDYVEPLKLYLHKFRELEGEKA	ATTSASSGPQPLH
G3398	KCQREKRKTINGDDLLWAMTTTLGFEDIIDPLKLYLHKFRELEGEKA	IGAAGSGGGAASS
G3475	KCQREKRKTINGDDLLWAMTTTLGFEDYVEPLKGYLQRFREMEGEK	TVAAAR-----
G3478	KCQREKRKTINGDDLLWAMTTTLGFEDYVEPLKGYLQRFREMEGEK	TVAAAR-----
G3476	KCQREKRKTINGDDLLWAMTTTLGFEEYVEPLKIYLQRFREMEGEK	TVAAAR-----
G485	KCQREKRKTINGDDLLWAMTTTLGFEDYVEPLKVYLQKYREVEGEK	TTTAGR-----
G482	KCQKEKRKTINGDDLLWAMTTTLGFEDYVEPLKVYLQRFREIEGER	TGLGRP-----
OSC30077	KCQREKRKTINGDDLLWAMTTTLGFEEYVGPLKSYLNRYREAEGEKA	DLVGGAGGAAARH
G3471	KCQKEKRKTINGDDLLWAMATLGFEDIIEPLKVYLARYREAEGDTK	GARS-----
G3477	KCQKEKRKTINGDDLLWAMATLGFEDIIEPLKVYLARYREAEGDTK	GARS-----
G3470	KCQKEKRKTINGDDLLWAMATLGFEDIIEPLKVYLARYREAEGDTK	GARS-----
G481	KCQKEKRKTVNGDDLLWAMATLGFEDYLEPLKIYLARYRELEGDN	KGSGKS-----
G1364	KCQREKRKTINGDDLLWAMATLGFEDYMEPLKVYLMRYRE--GD	TKGSAKG-----
G2345	KCQREKRKTINGDDLLWAMATLGFEDIIDPLKVYLMRYREMEGD	TKSGKG-----
AP004366	KCQKEKRKTINGEDLLFAMGTLGFEEYVDDPLKIYLHKYREMEGD	SKLSSKA-----
G3434	KCQKEKRKTINGDDLLWAMATLGFEEYVEPLKIYLQKYKEMEGD	SKLSTKA-----
G3394	KCQREKRKTINGDDLLWAMATLGFEDIIEPLKVYLQKYREMEGD	SKLTAKA-----
G1781	KCQREKRKTINGDDIIWAIITTLGFEDYVAPLKVYLCKYRDTEGEK	VNSPKQ-----
G1248	KCHKRKRKTVNGDDICWAMANLGFDDDYAAQLKKYLHRYRVLEGEK	PN-----
G486	KCHRENKRKTVNGDDIWWALSTLGLDNYADAVGRHLHKYREAERE	TEHNKG-----
G1821	RCQREQRKTTAEDVLWAMSKLGFDDYIEPLTLYLHRYRELEGEGR	VSCSAG-----
Consensus	KCQREKRKTINGDDLLWAMTTTLGFEDY EPLKVYL YRE EGE	

B domain

FIGURE 6C

G3472	-----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3473	-----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3474	-----RPHERDEGYGHG-----HATPMTMMMGHPQHQH-----
G3435	--QQQGE LPRGAANAAG-YAGYGAPG-----SG-GMMMMMMGQPMYGGSQPQ--
G3397	--STTPPQQQHTANAAGGYAGYAAPG-----AGPGMMMMMMGQPMYGSPPP--
G3436	RETTSSSTHN--GAGGPVGGYMGYGA-----GGSGMIMMMGQPMYGGSPPA-
G3398	GGSGSGSHHHQDASRNNGGYMGY-----GGGIMMMMGQPMYG-SPPA-
G3475	--DKDAPPTNATNSAYESPAAAA-----PGGIMMHQGHVYG-----
G3478	--DKDAPPLTNATNSAYESANYAAAA-----AVPGIMMHQGHVYG-----
G3476	--DSSK---DSASASSY-----HOGHVYG-----
G485	--QGDKEGGGGGAGSGSGGAPMYG-----GGMVTTMGHQFS-----
G482	--QTGGEVGEHQRDVAGDGGGFYGG-----GGMQYHQHHQFL-----
OSC30077	GEGCCGGGGGADGVVIDGHYPLAGGLSHSHGHQHQDGGDVGLMMGGDAGVGYNAG
G3471	--GDGSATPD-QVGLAGQNSQLVHQ-----SLNYIGLQVQP-----
G3477	--GDGSATPD-QVGLAGQNSQLVHQ-----SLNYIGLQVQP-----
G3470	--GDGSARPD-QVGLAGQNAQVQPQX-----SG--YAFNARP-----
G481	--GDGSNRDA-GGGVSGEEMPFSW-----
G1364	--GDPNAKKDQSSQNGQFSQLAHQ-----PYGNSQ-----
G2345	--GESSAKRDGQPSQVSQFSQVPQQG-----SFSQGPYGNSSQSLRFGNSIEH
AP004366	--GDGSVKKDTIGPHSGASSSSAQ-----MVGAYTQGMGY-----
G3434	--GEGSVKKDAISPHGGTSSSSNQLV-----QHGVTYNQGMGY-----
G3394	--GDGSVKKDVLGSHGGSSSAQGMG-----QQAAYNQGMGY-----
G1781	--QQQRQQQQIQQQNHHNYQFQEQQNNNN-----MSCTSYISHHSPFPLPVDHQ-
G1248	-----HHGKG-----
G486	--SNDSGNEKE-----TNTRS-----
G1821	--SVSMTNGLVVKRPNGTMTYGA YG-----PVPGIHMAQYHYR-----

FIGURE 6D

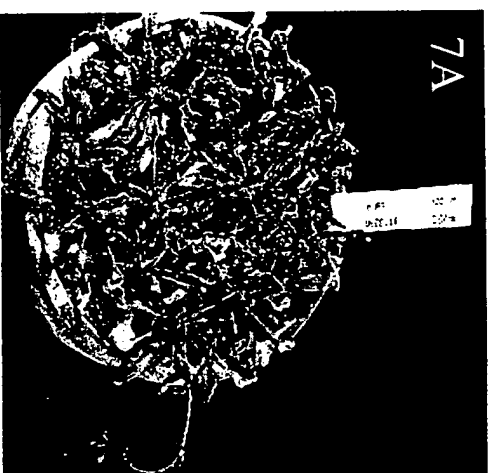
G3472	-----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3473	-----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3474	-----QHQHQHQG--HVGSG--GSASSARTR-----
G3435	--QQPPQPQQQQQHQQHHMAMGRRGGFGQQ--GGGGSSSSSGLGRQDRA--
G3397	-----PPQQQQQH--HHMAMGRRGGFGHHPPGGGGSSSSSGHGRQNRGA--
G3436	--ASSG-----SYPH--QMAMGKGGAHYGGSSSSPS--GLGR-----
G3398	--SSAGYAQPPPHHHH--QVMVGKG-AYGHGGGGGPPSPSSGYGRQDRL--
G3475	-----SAGFH--QVAGGAIK-----GGPVYPGPGSNAGRPR-----
G3478	-----SAGFH--QVAGGAIK-----GGPAYPGPGSNAGRPR-----
G3476	-----SPAYH--HQVP-----GPTYAPG--RPR-----
G485	-----HHFS-----
G482	-----HQQNHMYGATGGGDS-----GGGAASGRTR-----
OSC30077	AGSTTTAFYAPAAATAAGNKAYCGDGSRVMEFEGIGEEESGGGGGGERFAGHLHGV
G3471	-----QHLVMPMQSHE-----
G3477	-----QHLVMPMQSHE-----
G3470	-----
G481	-----
G1364	-----VTFPLFSSHSSN-----THH--SLLIC-----
G2345	LEVLMSSRTRLFITIFRDSTMPVVSLENLSDPLSIDMDCCEAIYHHFIGLLILSCK--
AP004366	-----MQPQSNFHILVVLQSFAPFYMYQVAQIYCKYPSIE-----
G3434	-----MQPQ-----YHNGET-----
G3394	-----MQPQ-----YHNGDVSN-----
G1781	-----PPFNIAFSPKSLQKQ-----FPQQHDNNIDSIIHW-----
G1248	-----GPKSSP-----DN-----
G486	-----DVQNQSTK-----FIRVVEKGSSSSAR-----
G1821	-----HQNGFVFSGNEPNKMSKSSSGASGARVEVFTQQHKY-----

FIGURE 6E

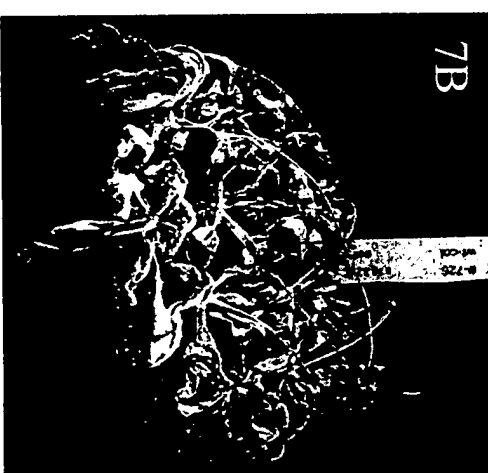
G3472	-----
G3473	-----
G3474	-----
G3435	-----
G3397	-----
G3436	-----
G3398	-----
G3475	-----
G3478	-----
G3476	-----
G485	-----
G482	-----
OSC30077	QWFR LKRNTN
G3471	-----
G3477	-----
G3470	-----
G481	-----
G1364	-----
G2345	-----
AP004366	-----
G3434	-----
G3394	-----
G1781	-----
G1248	-----
G486	-----
G1821	-----

FIGURE 6F

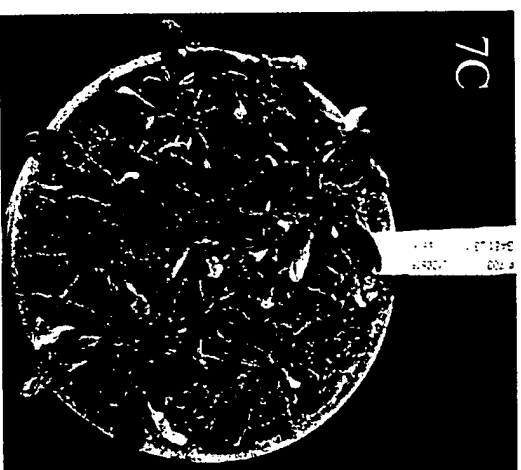
After 8 days drought



Wild-type



Plants re-watered following
drought treatment



35S::G481
Line 3

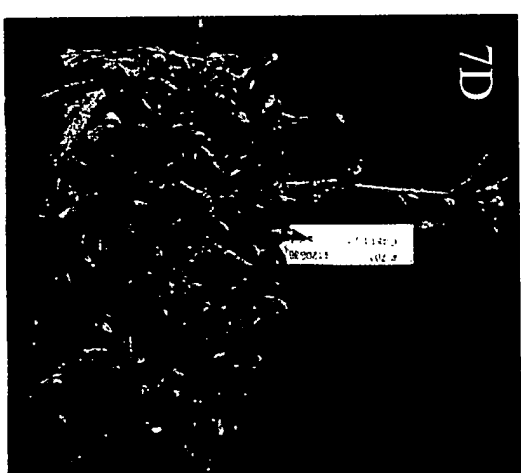
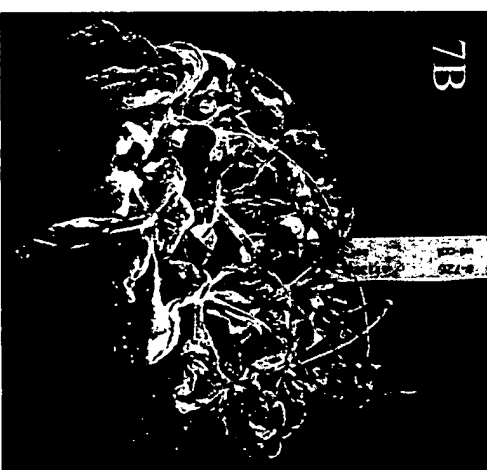
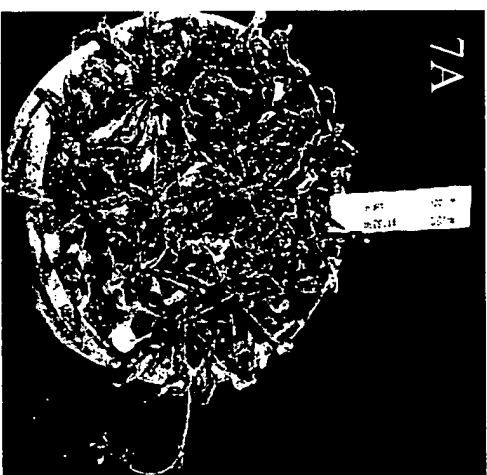


FIGURE 7

After 8 days drought

Plants re-watered following
drought treatment

Wild-type



35S::G481
Line 3

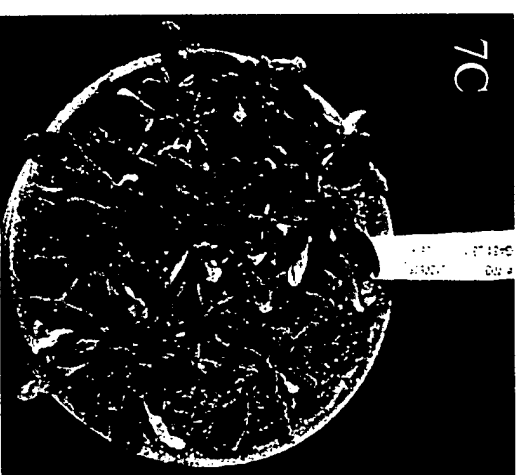
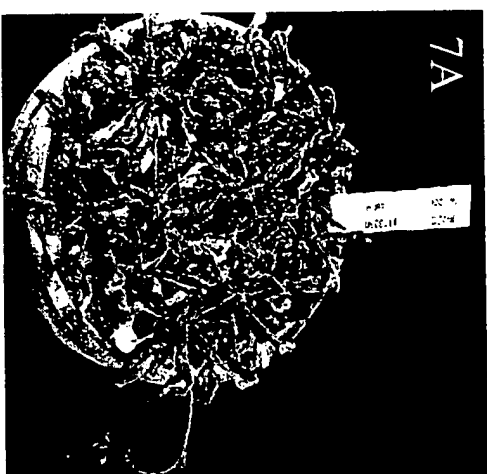
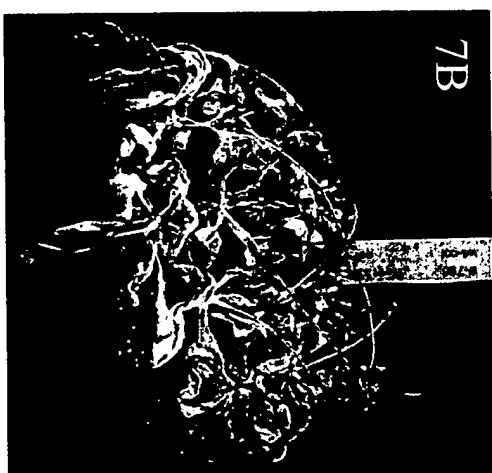


FIGURE 7

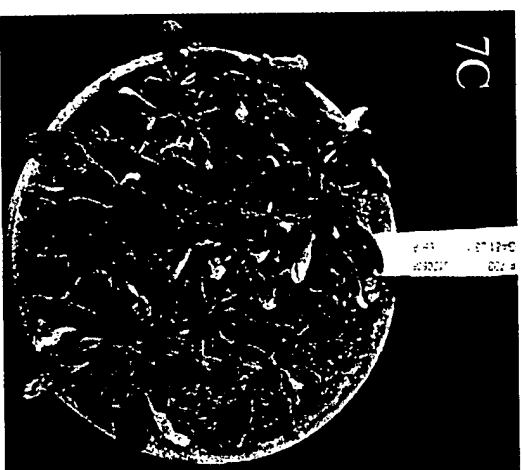
After 8 days drought



Wild-type



Plants re-watered following
drought treatment



35S::G481
Line 3



FIGURE 7

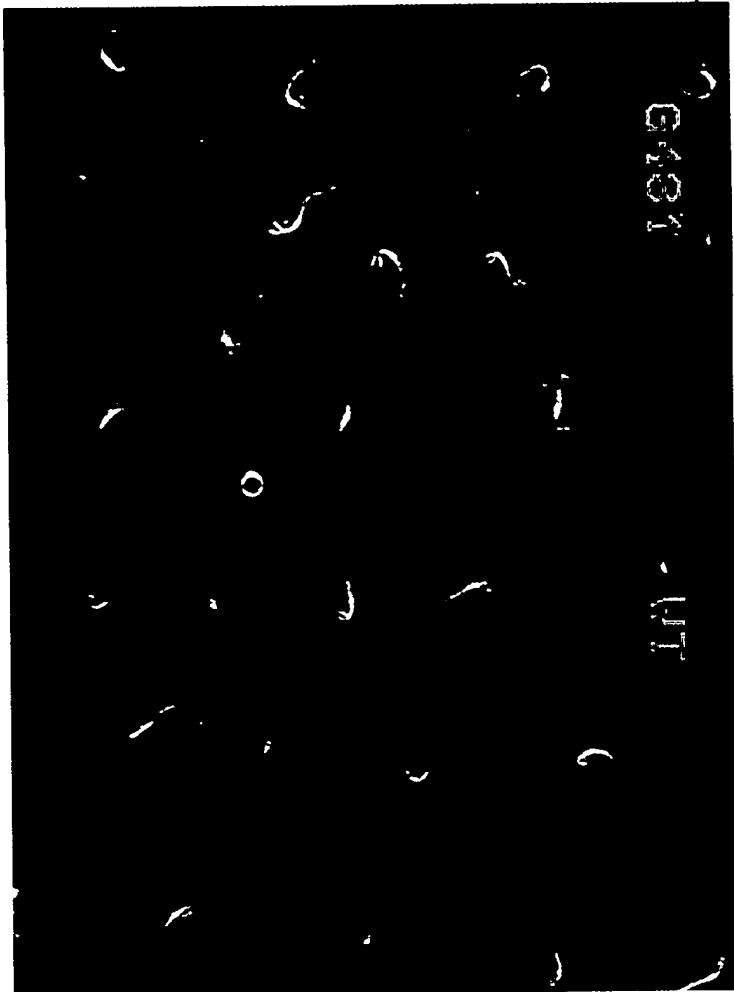


FIGURE 8A



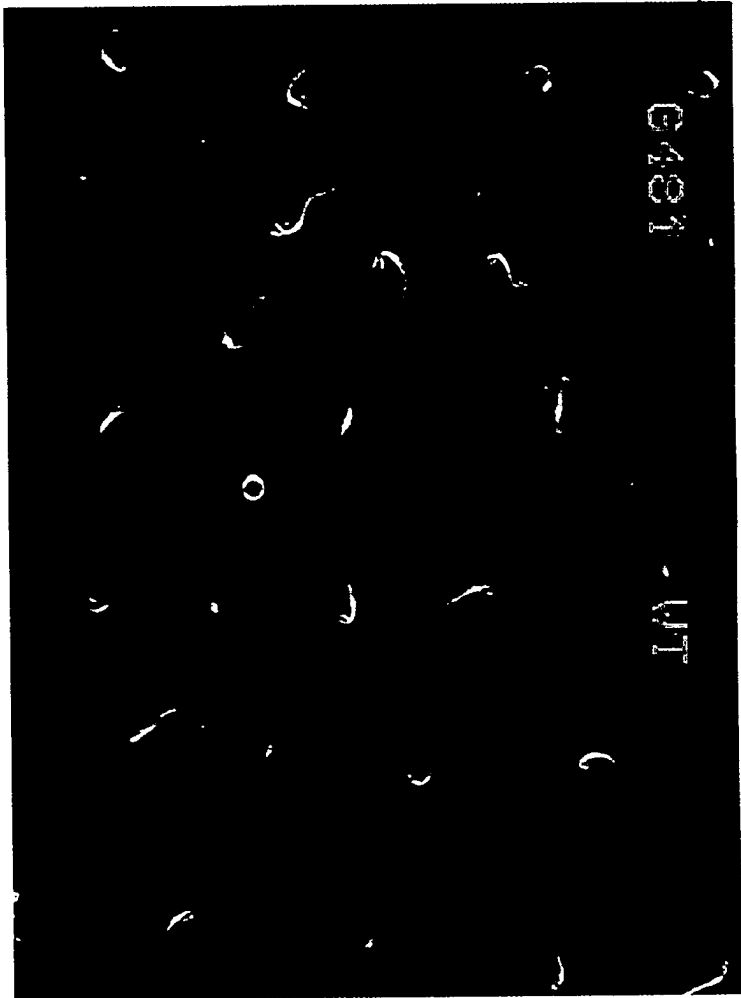


FIGURE 8A



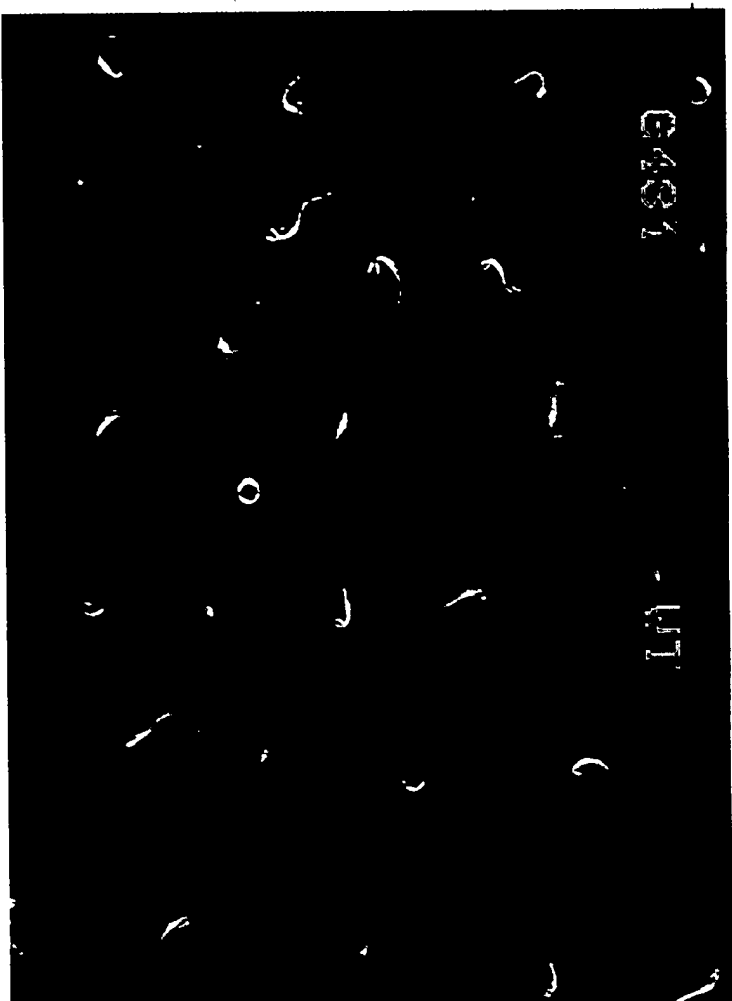


FIGURE 8A





FIGURE 9A

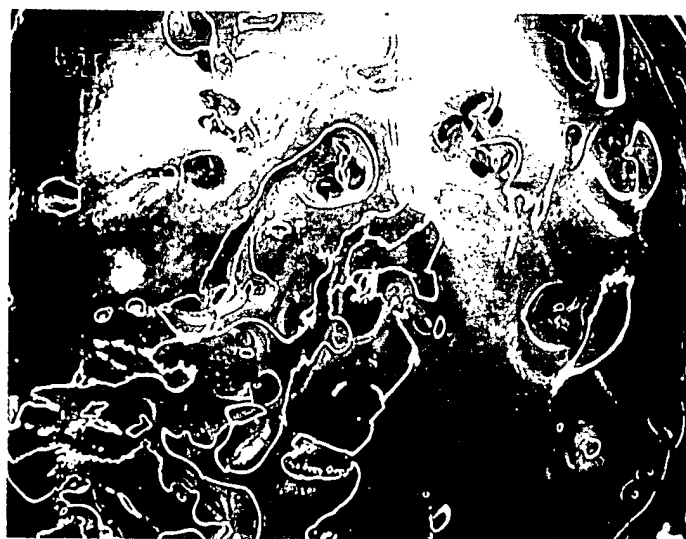


FIGURE 9B



FIGURE 9C



FIGURE 9D



FIGURE 9A

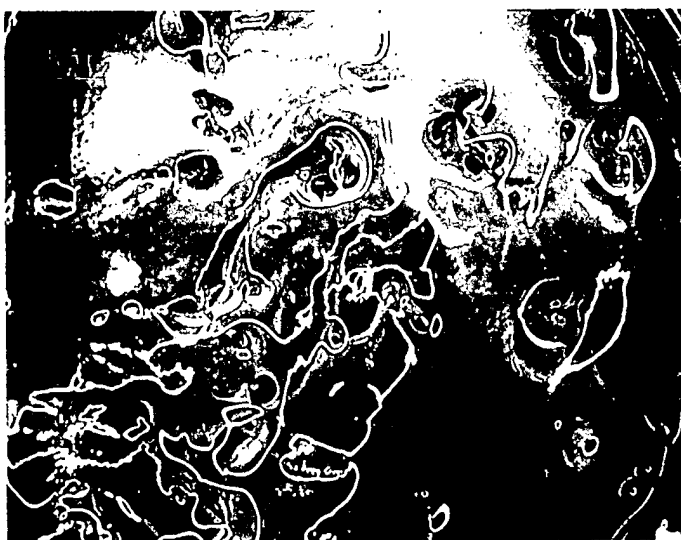


FIGURE 9B



FIGURE 9C



FIGURE 9D



FIGURE 9A

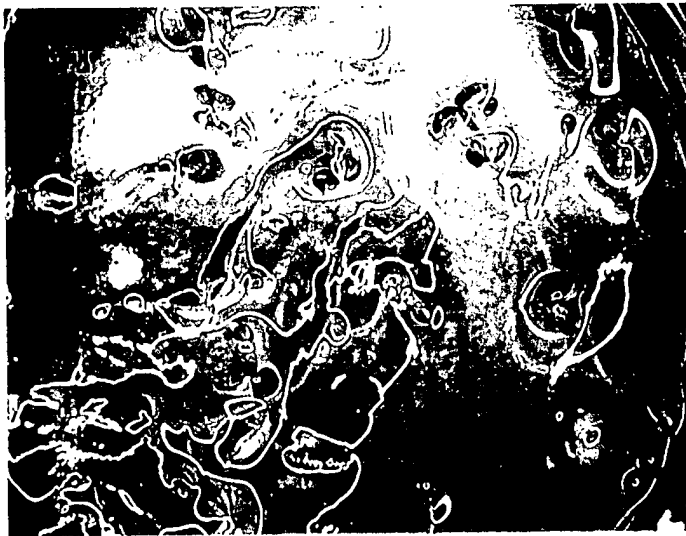


FIGURE 9B



FIGURE 9C



FIGURE 9D

**Sucrose
Treatment**

**NaCl
Treatment**

**ABA
Treatment**



FIGURE 10B



FIGURE 10C

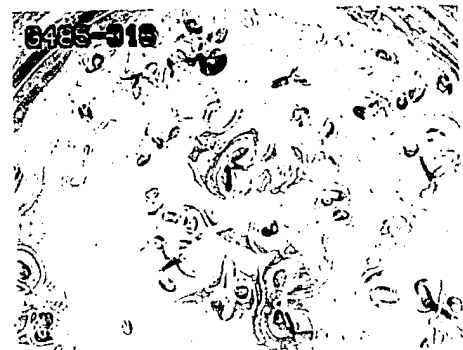


FIGURE 10D

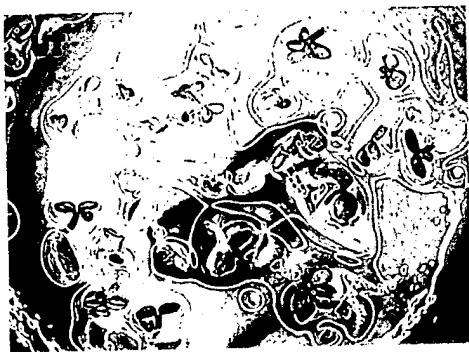


FIGURE 10F

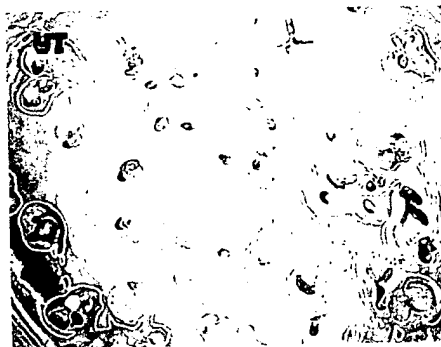


FIGURE 10G

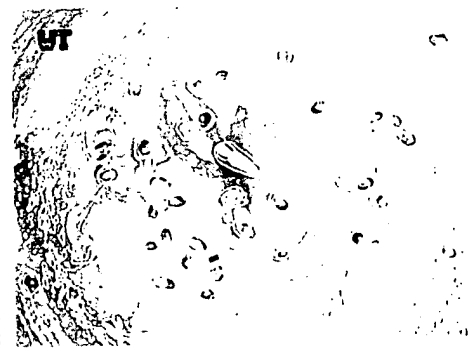


FIGURE 10H

**Sucrose
Treatment**



FIGURE 10B

**NaCl
Treatment**

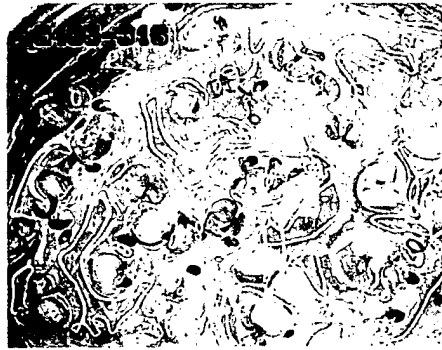


FIGURE 10C

**ABA
Treatment**



FIGURE 10D

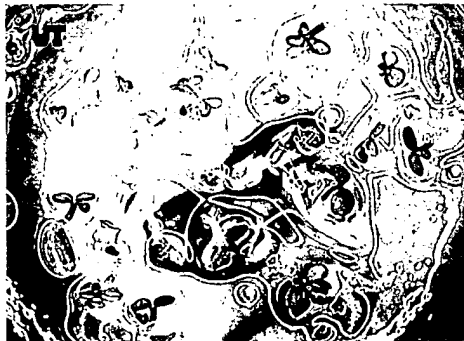


FIGURE 10F



FIGURE 10G



FIGURE 10H

**Sucrose
Treatment**

**NaCl
Treatment**

**ABA
Treatment**

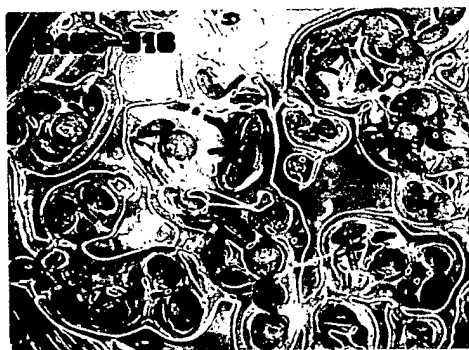


FIGURE 10B



FIGURE 10C

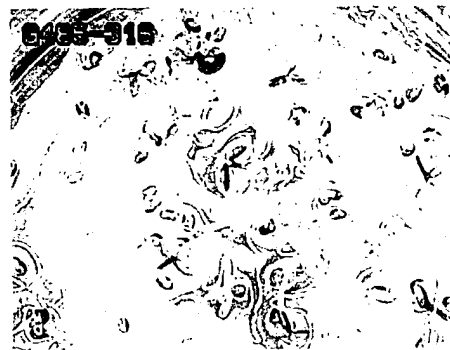


FIGURE 10D

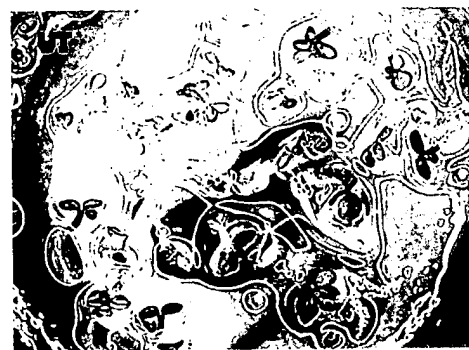


FIGURE 10F

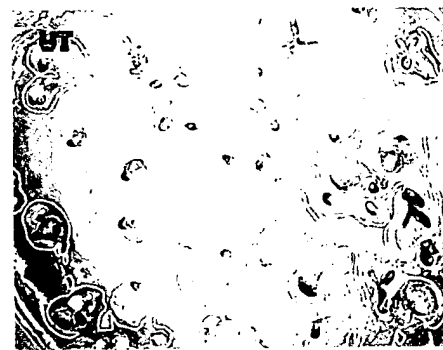


FIGURE 10G



FIGURE 10H



FIGURE 11A



FIGURE 11B

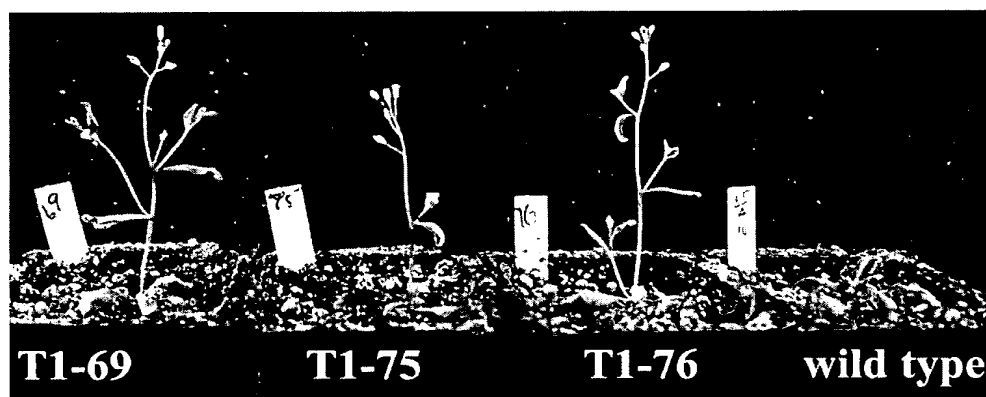


FIGURE 11C